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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/799,678	03/15/2004	Tzu-Wei Lai	LAIT3005/EM	8656
23364	7590	06/14/2005	EXAMINER	
BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314			DUONG, HUNG V	
			ART UNIT	PAPER NUMBER
			2835	

DATE MAILED: 06/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/799,678

Applicant(s)

LAI, TZU-WEI

Examiner

Hung v. Duong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

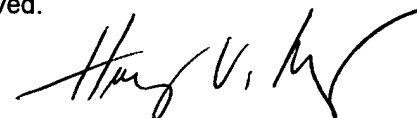
### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.



HUNG VAN DUONG  
PRIMARY EXAMINER

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Shioya et al (US Pat. 5,644,469).

Regarding claims 1-3, Shioya et al disclose a portable computer comprising: a base 3, the base 3 having a top face, a bottom face, a front edge, a rear edge, and two opposite side edges, the top face having a keyboard 4 installed thereon; a display unit 1, the display unit 1 having a display screen 5 for showing data, a top side, a bottom side, and two opposite lateral sides; and two coupling arms 10 coupling the display unit 1 to the base 3, the coupling arms 10 each having a first end pivotally coupled to one lateral side of the display unit 1 near the bottom side of the display unit 1, a second end pivotally coupled to a middle part of one side edge of the base 3, and an internal space for the passing of an electric signal line 18 being electrically connected between the base 3 and the display unit 1 wherein the base 3 further comprises a cursor control device 6 wherein the cursor control device 6 is a touch pad.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shioya et al (US Pat. 5,644,469) in view of Chiang et al (US Pat. 6,385,039)

Regarding claims 4-5, Shioya et al disclose all the subject matter of the claimed invention except for the base comprises an expansion slot set in the rear edge wherein the expansion slot is a battery slot holding an expansion battery pack. However Chiang et al disclose the base comprises an expansion slot set in the rear edge wherein the expansion slot is a battery slot holding an expansion battery pack (see figure 4).

Therefore, it would be obvious to one of ordinary skill to modify the base comprises an expansion slot set in the rear edge of Chiang et al's base into Shioya's base in order to be an alternate configuration for more advantage and convenient.

5. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shioya et al (US Pat. 5,644,469) in view of Chiang et al (US Pat. 6,385,039) and further in view of Bovio et al (US Pat. 6,724,623)

Regarding claim 6, Shioya et al and Chiang et al disclose all the subject matter of the claimed invention except for the expansion slot is a port replicator, the port replicator comprising at least one expansion slot. However Bovio et al disclose the

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expansion slot is a port replicator, the port replicator comprising at least one expansion slot (see figure 4). Therefore, it would be obvious to one of ordinary skill to modify the an expansion slot is a port replicator, the port replicator comprising at least one expansion slot of Bovio et al's expansion slot into Shioya and Chiang et al's expansion slot in order to be easy connection.

6. Claims 7-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shioya et al (US Pat. 5,644,469) in view of Choi (US Pat. 5,740,012).

Regarding claims 7-8, Shioya et al disclose all the subject matter of the claimed invention except for the base comprises a detachable expansion unit in front edge wherein the expansion unit is a CD-ROM player. However Choi disclose the base comprises a detachable expansion unit in front edge wherein the expansion unit is a CD-ROM player (see column 3, lines 50-65). Therefore, it would be obvious to one of ordinary skill to modify the base comprises a detachable expansion unit in front edge wherein the expansion unit is a CD-ROM player of Choi's base into Shioya's base in order to be more advantage and convenient.

### ***Conclusion***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Carter et al (US Pat. 4,903,222) teach arrangement of components in laptop computer.

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Chang et al (US2004/0062001) teach woofer module of portable computer.

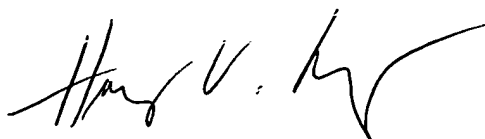
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung v Duong whose telephone number is 571-272-2041. The examiner can normally be reached on M-F from 8:30 to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Field can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HVD

06/09/05.

A handwritten signature in black ink, appearing to read 'Hung V. Duong', with a stylized flourish at the end.

Hung Duong  
Primary Examiner.